



1 / 14

S1 MOT Table

S2 MOT Table

A	33	C	0	D	36	E	1	F	19	G	3	H	28	I	17	K	8	L	6	M	52	N	11	P	20	R	7	S	13	T	26	V	2	W	34	Y	38
A	40	C	36	D	39	E	47	F	41	G	42	H	43	I	49	K	10	L	23	M	14	N	30	P	16	R	21	S	22	T	31	V	4	W	46	Y	45
A	33	C	0	D	36	E	1	F	19	G	3	H	28	I	17	K	8	L	6	M	52	N	11	P	20	R	7	S	13	T	26	V	2	W	34	Y	38
A	40	C	36	D	39	E	47	F	41	G	42	H	43	I	49	K	10	L	23	M	14	N	30	P	16	R	21	S	22	T	31	V	4	W	46	Y	48
A	33	C	0	D	36	E	1	F	19	G	3	H	28	I	17	K	8	L	6	M	52	N	11	P	20	R	7	S	13	T	26	V	2	W	34	Y	38

1
Fig.



2/14

FIG. 2A



3/14

FIG. 2B



4/14

Seq. 0:

 → Sorted:

Seq. 1:

 → Sorted:

Pattern Map Row Index

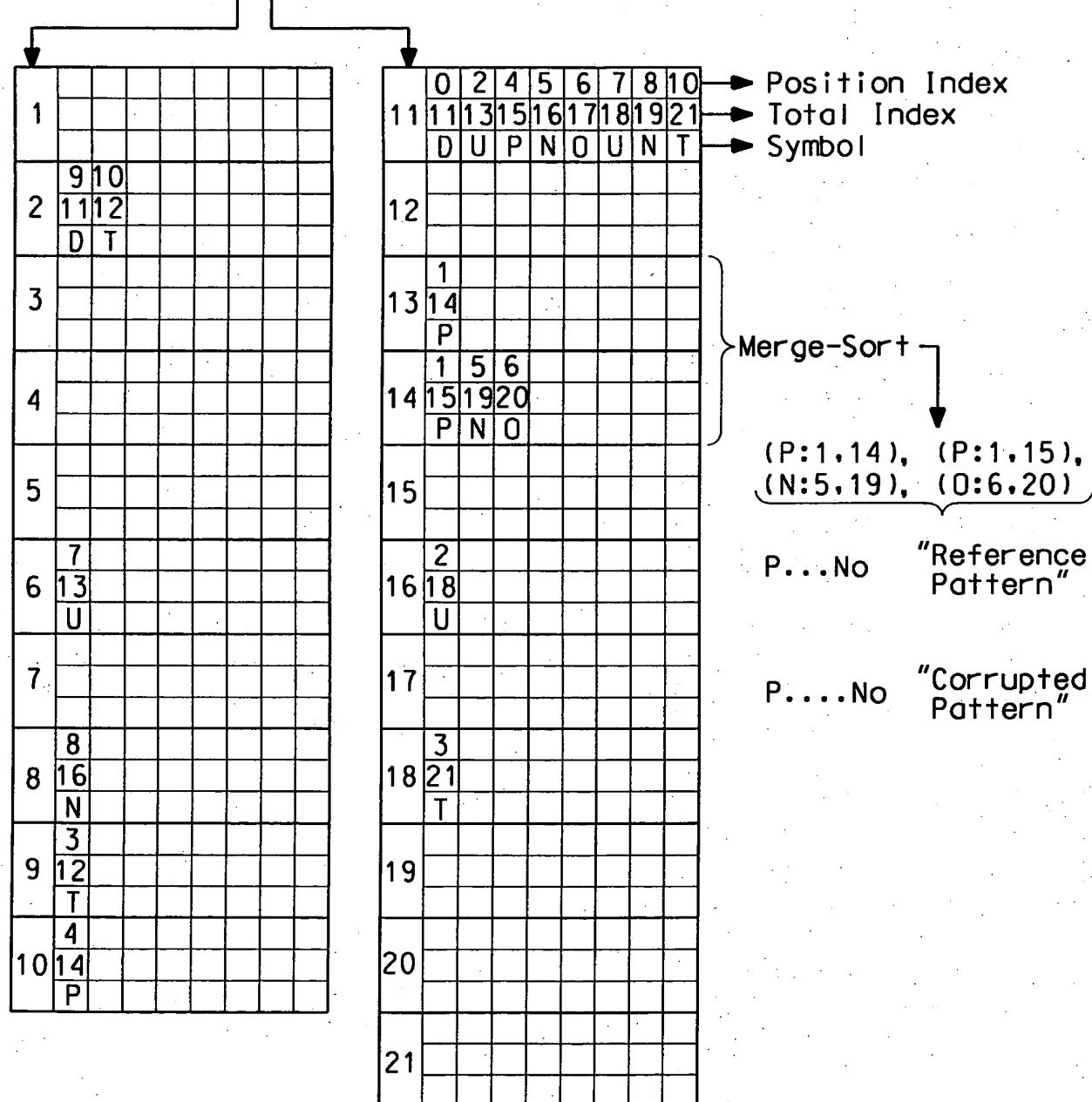


FIG. 3



5/14

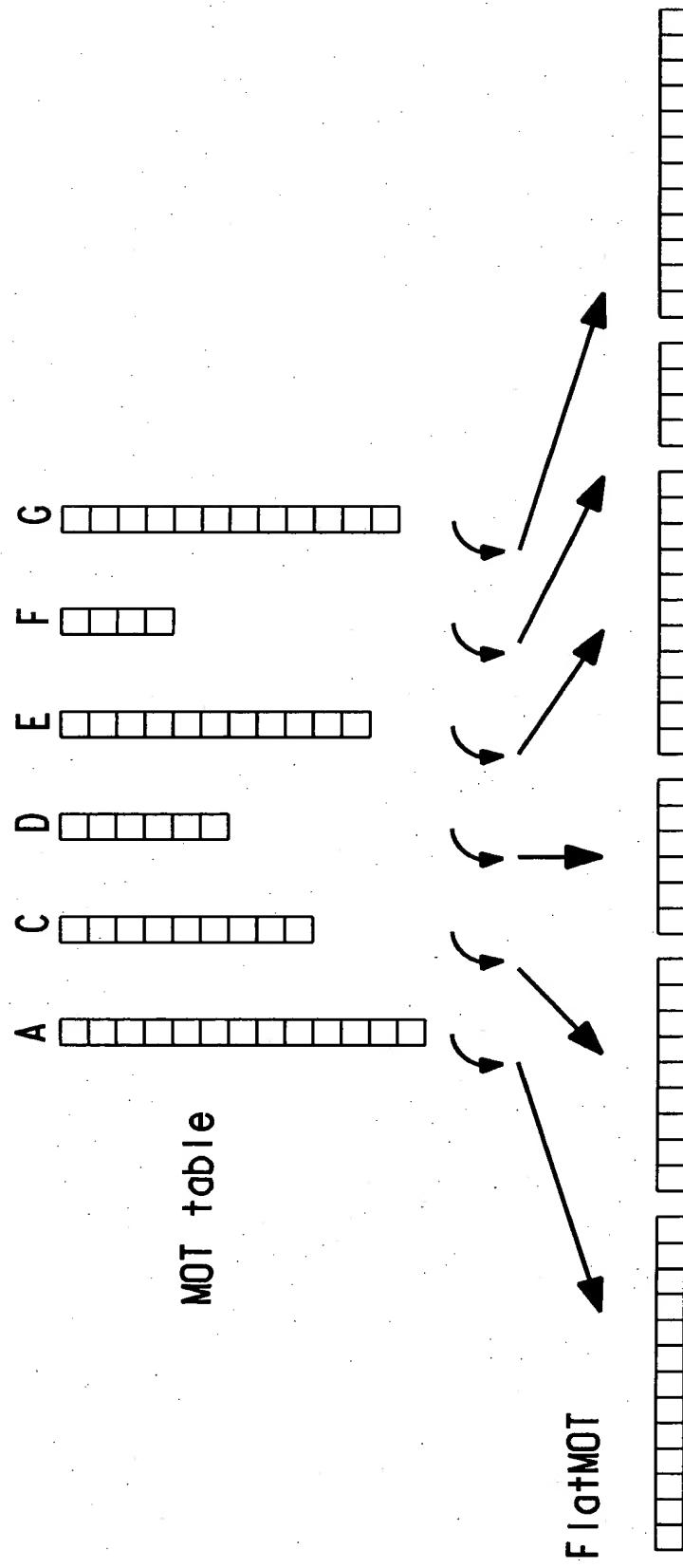


FIG. 4



Maximum number of don't-cares = 3
Minimum number of symbols = 6

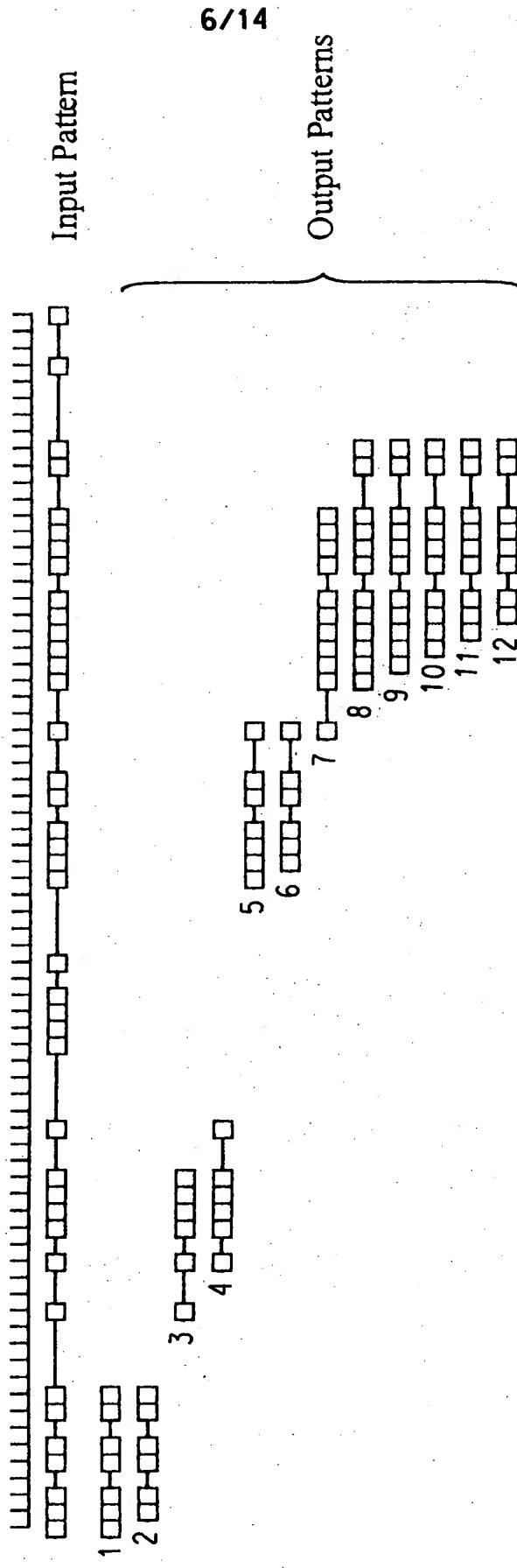


FIG. 5



7/14

Gap size parameter $g = 3$
Minimum number of symbols = 6

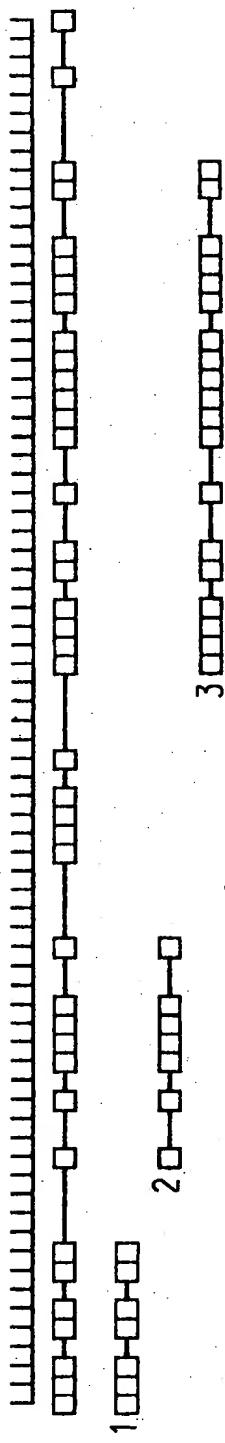


FIG. 6

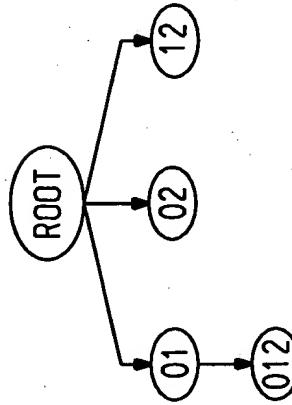


1- TUPLE TABLES

SEQUENCES

S_0 : ABCDACC
 S_1 : BCADABA
 S_2 : CDCDBCDA

FIG. 7A



RAW		SQUEEZED	
(0,1)		(0,1)	
A	0	C	7 -6
A	0	C	6 -5
A	0	A	0 -3
A	5	B	2 -2
A	5	C	3 -2
A	5	D	4 0
A	5	A	5 0
A	5	D	4 -2
B	2	A	5 -2
B	2	D	4 0
B	2	C	3 -2
B	2	B	2 -2
C	3	C	3 -2
C	3	D	4 -2
C	6	D	4 0
C	7	A	5 2
D	1	D	1 1
D	1	B	2 4
D	4	A	0 5
D	4	D	4 0

RAW		SQUEEZED	
(0,1)		(0,1)	
A	0	C	7 -6
A	0	C	6 -5
A	0	A	0 -3
A	5	B	2 -2
A	5	C	3 -2
A	5	D	4 0
A	5	A	5 0
A	5	D	4 -2
B	2	A	5 -2
B	2	D	4 0
B	2	C	3 -2
B	2	B	2 -2
C	3	C	3 -2
C	3	D	4 -2
C	6	D	4 0
C	7	A	5 2
D	1	D	1 3
D	1	B	2 4
D	4	A	0 5
D	4	D	4 0

RAW		SQUEEZED	
(0,1)		(0,1)	
A	0	C	7 -6
A	0	C	6 -5
A	0	A	0 -3
A	5	B	2 -2
A	5	C	3 -2
A	5	D	4 0
A	5	A	5 0
A	5	D	4 -2
B	2	A	5 -2
B	2	D	4 0
B	2	C	3 -2
B	2	B	2 -2
C	3	C	3 -2
C	3	D	4 -2
C	6	D	4 0
C	7	A	5 2
D	1	D	1 3
D	1	B	2 4
D	4	A	0 5
D	4	D	4 0

8/14



9/14

(12)

RAW		SORTED		SQUEEZED	
		(1,2)		(1,2)	
		A	3	D	-3
		A	5	B	-2
		A	7	C	-1
		B	0	D	2
		B	0	D	4
		B	6	D	2
		C	1	C	1
		C	1	D	1
		C	1	D	4
		C	1	A	7
		C	1	0	2
		C	1	A	5
		C	1	B	0
		C	1	C	1
		C	1	D	2
		C	1	D	4
		C	1	C	1
		C	1	D	2
		C	1	D	4
		A	3	A	3

(02)

RAW		SORTED		SQUEEZED	
		(0,2)		(0,2)	
		A	0	C	-7
		A	5	C	-6
		B	2	C	-5
		C	3	C	-4
		C	3	D	-1
		C	3	C	-3
		C	3	C	6
		C	3	D	-1
		C	3	D	1
		C	6	B	2
		C	6	C	3
		C	6	C	3
		C	6	D	4
		C	7	D	4
		C	7	A	5
		C	7	C	6
		C	7	C	7
		C	7	D	5
		C	7	D	1
		C	7	D	2
		D	1	D	0
		D	1	D	1
		D	1	D	2
		D	1	D	5
		D	4	D	-3
		D	4	D	4
		D	4	D	2
		D	4	D	4
		D	4	A	0
		D	4	A	5
		D	4	D	1
		D	4	D	2

FIG. 7B



10/14

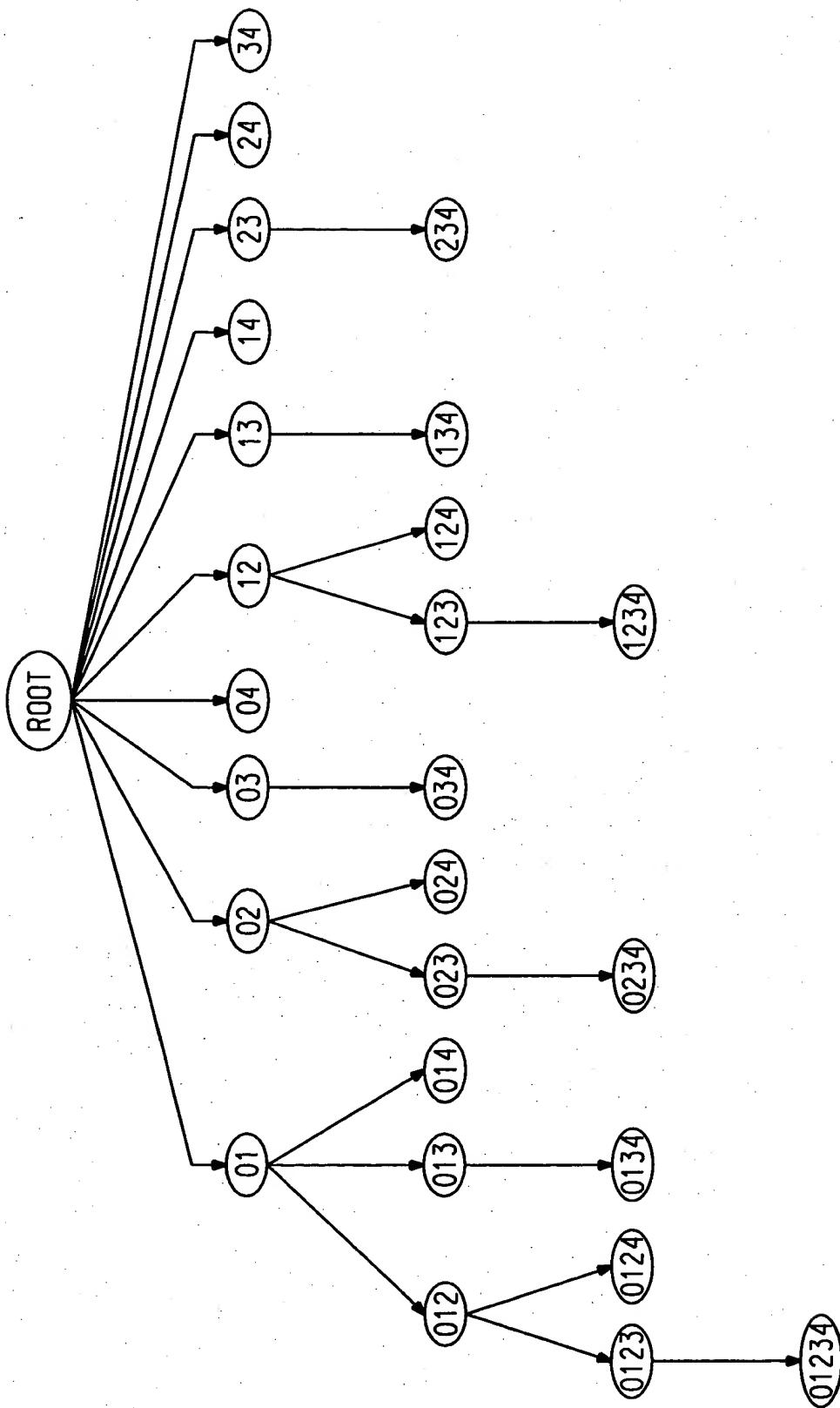


FIG. 8



11/14

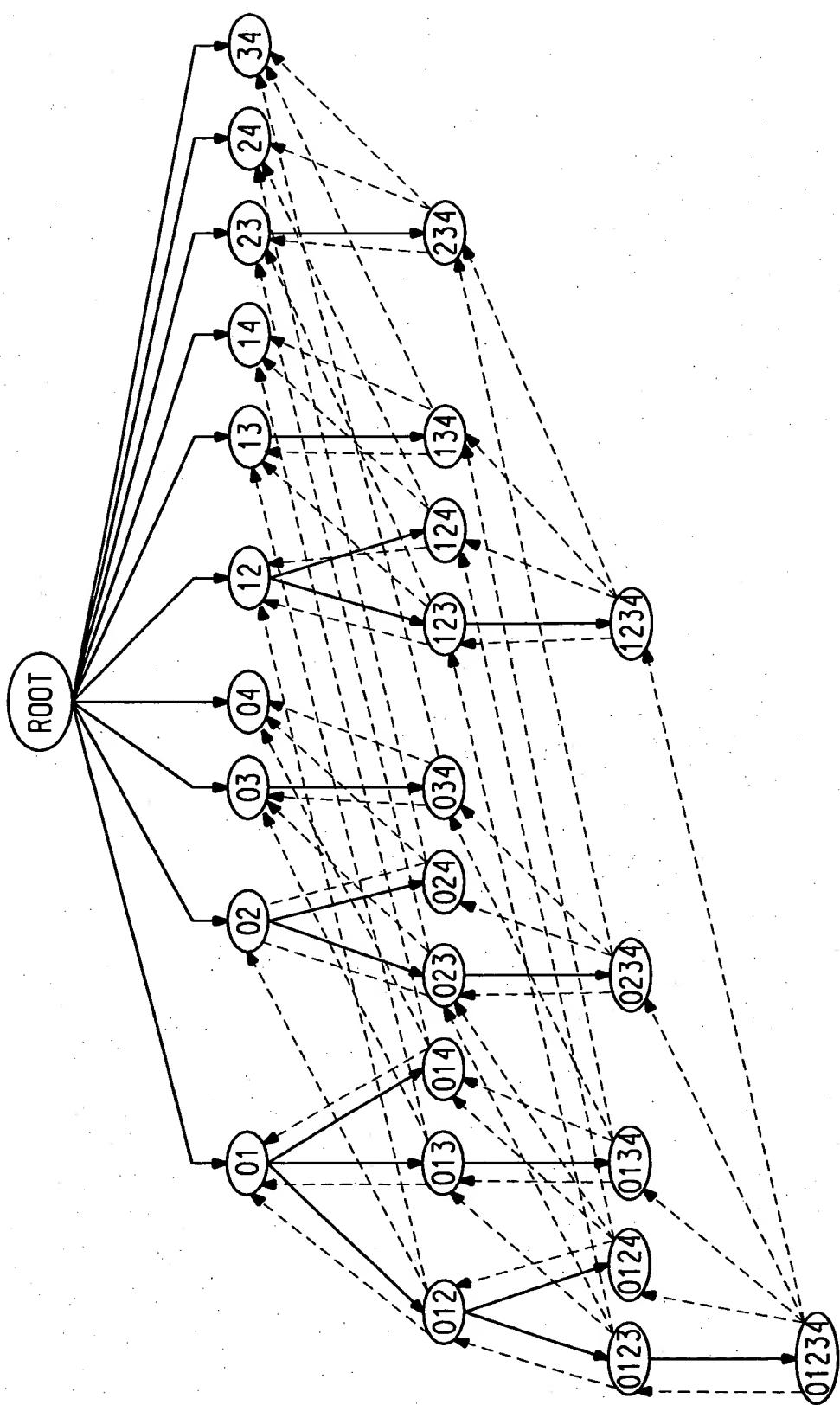


FIG. 9



12/14

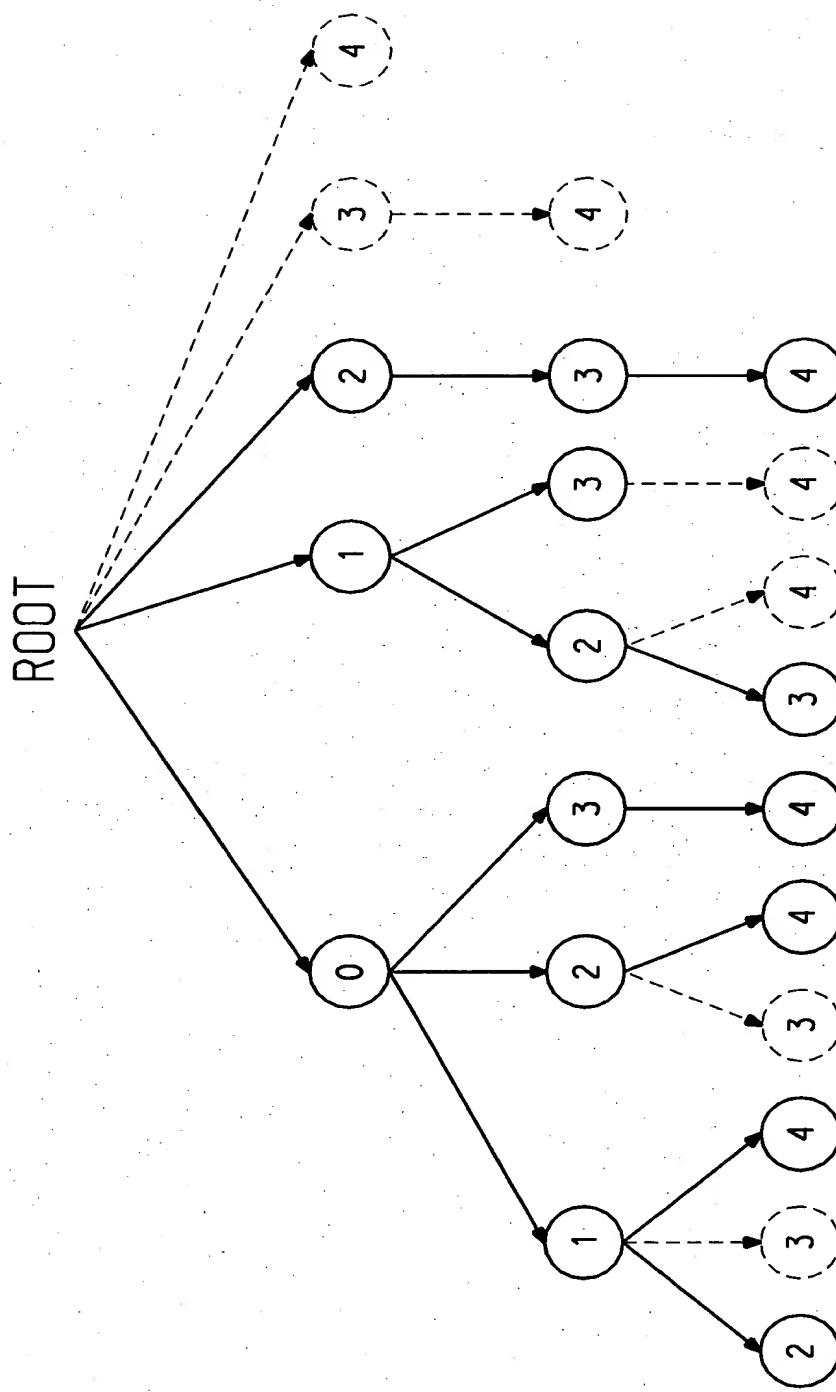


FIG. 10

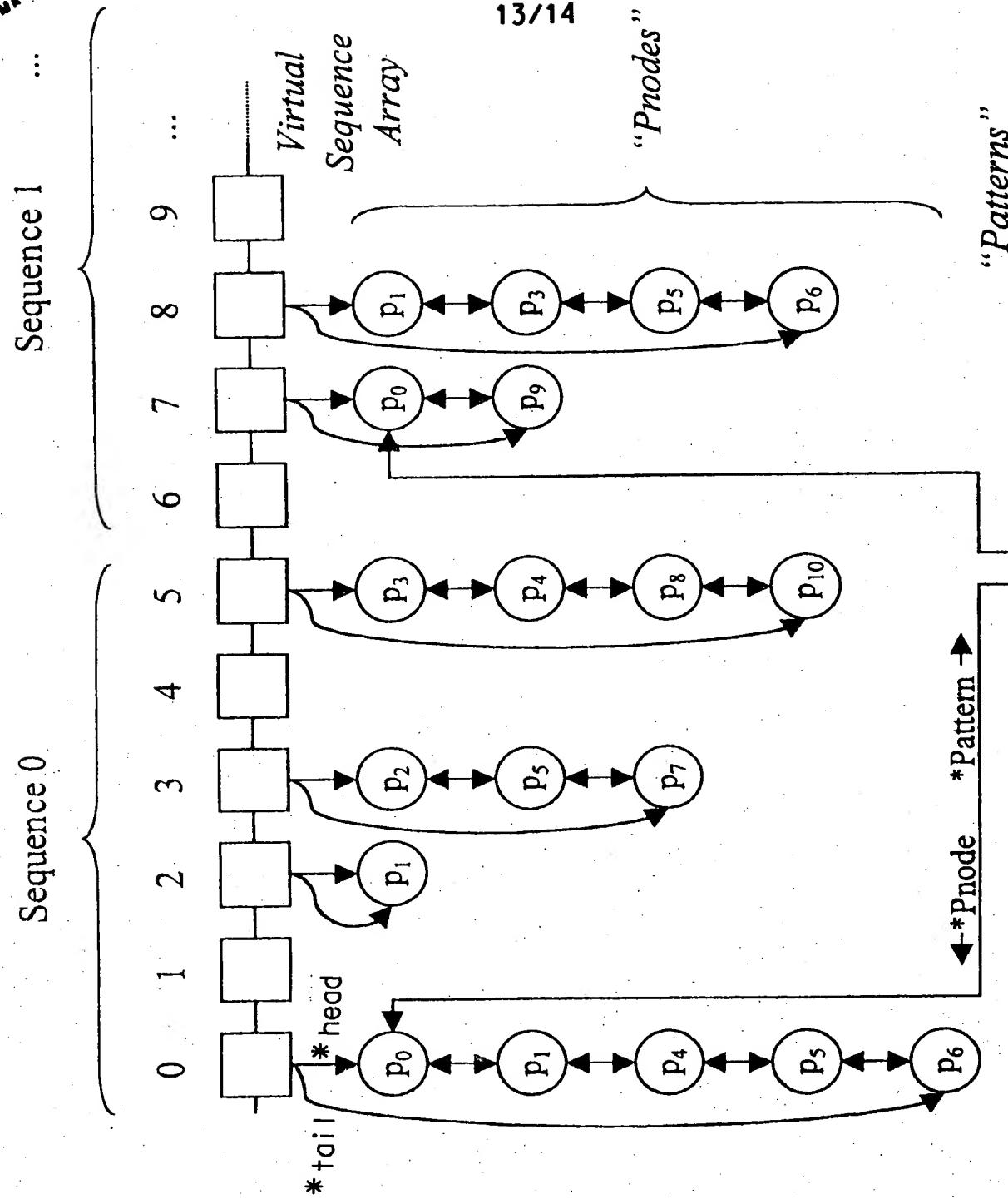


FIG. 11A



14/14

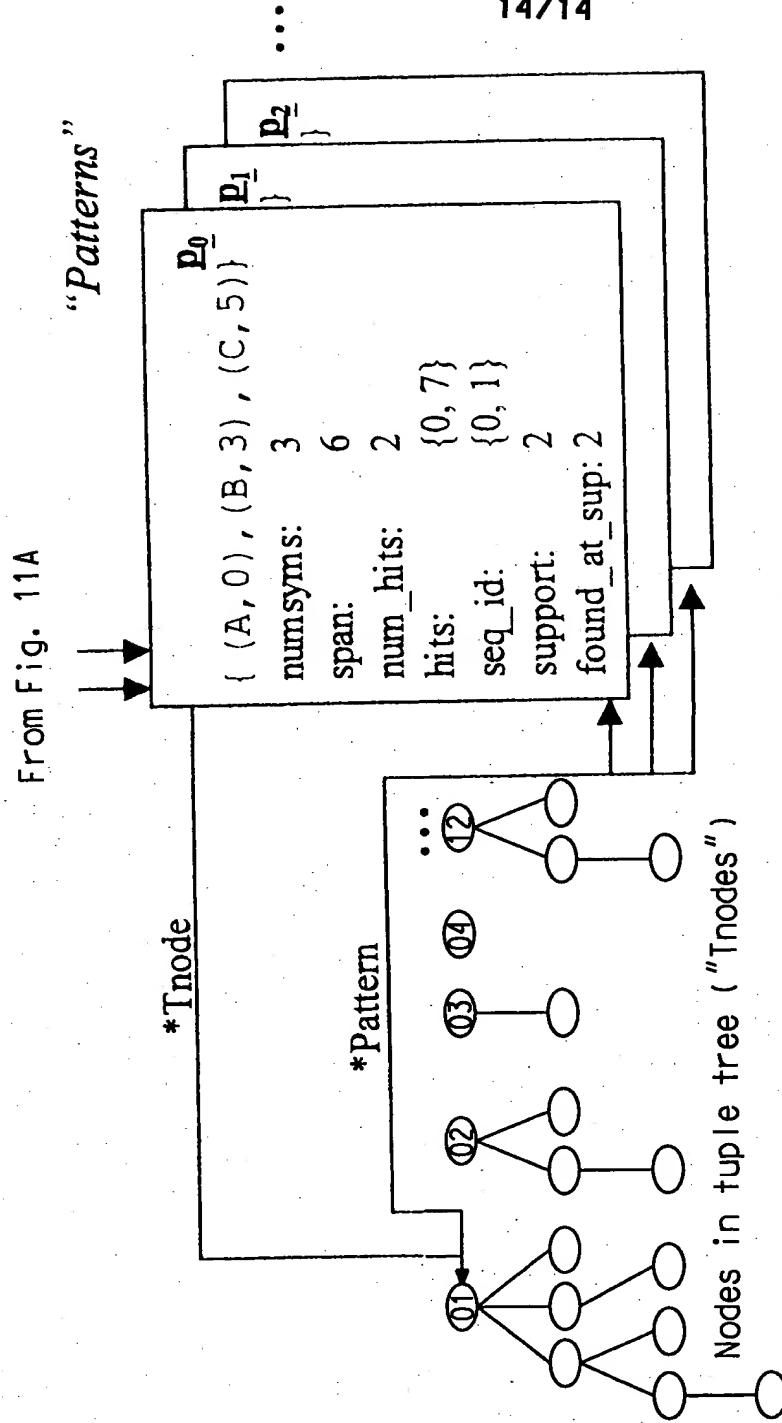


FIG. 11B

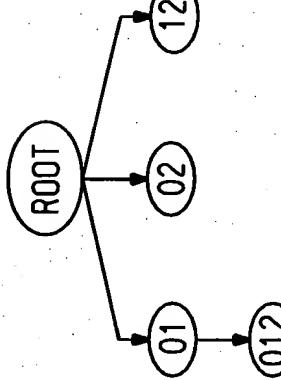


SEQUENCES

$S_0:$ ABCDACC
 $S_1:$ BCDADABA
 $S_2:$ CDCDBCDAA

1- TUPLE TABLES

FIG. 7A



RAW		SQUEEZED			
(0,1)		(0,1)			
A	0	A	3	-6	C
A	0	A	5	-5	C
A	0	A	7	-3	B
A	5	A	2	-2	B
A	5	A	0	2	C
A	5	A	5	0	D
B	2	B	2	-2	C
B	2	B	1	1	D
B	2	B	4	0	A
C	3	C	3	-2	A
C	6	C	6	0	B
C	6	C	7	1	D
C	7	C	7	4	A
D	4	D	4	0	C
D	4	D	4	2	B
D	4	D	4	5	A
D	6	D	1	3	D
D	6	D	2	4	B
D	6	D	5	0	A
D	7	D	1	1	C
D	7	D	4	-2	B
D	7	D	4	0	A
D	8	D	4	0	D

RAW		SQUEEZED			
(0,1)		(0,1,2)			
A	0	A	3	-2	-3
A	0	A	5	0	2
A	0	A	7	2	-2
A	5	A	2	-2	-3
A	5	A	0	0	-3
A	5	A	5	0	2
B	2	B	2	-2	-1
B	2	B	1	0	-1
B	2	B	4	0	-1
C	3	C	3	-2	-1
C	6	C	6	0	-1
C	6	C	7	1	0
C	7	C	7	4	1
D	4	D	4	0	-3
D	4	D	4	2	2
D	4	D	4	5	0
D	6	D	1	1	3
D	6	D	2	4	4
D	6	D	5	0	2
D	7	D	1	3	0
D	7	D	4	-2	7

8/14